

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number  
**WO 2005/072826 A2**

(51) International Patent Classification<sup>7</sup>:  
31/12, A61K 31/506, 31/519, 31/517

**A61P 31/04**,

(74) Agents: **ERGENZINGER, Edward, R.** et al.; Alston & Bird LLP, Bank of America Plaza, 101 South Tryon Street, Suite 4000, Charlotte, NC 28280-4000 (US).

(21) International Application Number:

PCT/US2005/001710

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 20 January 2005 (20.01.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/537,960	21 January 2004 (21.01.2004)	US
60/553,681	16 March 2004 (16.03.2004)	US
60/614,203	29 September 2004 (29.09.2004)	US

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (for all designated States except US): **EMORY UNIVERSITY** [US/US]; 1784 North Decatur Road, Suite 130, Atlanta, GA 30322 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KALMAN, Daniel** [US/US]; Atlanta, GA 30322 (US). **BORNMANN, William, Gerard** [US/US]; Houston, TX 77030 (US). **SHERMAN, Melanie, Anne** [US/US]; Atlanta, GA 30322 (US). **REEVES, Patrick, Michael** [US/US]; Atlanta, GA 30322 (US). **SWIMM, Alyson, Irene** [US/US]; Atlanta, GA 30322 (US).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOSITIONS AND METHODS OF USE FOR TYROSINE KINASE INHIBITORS TO TREAT PATHOGENIC INFECTION

(57) Abstract: Compositions and methods are provided for using tyrosine kinase inhibitors to treat pathogenic infection. In particular, methods for using Abl-family tyrosine kinase inhibitors to treat pathogenic infection are provided. Infections to be treated according to the present invention include, particularly, those caused by microbial pathogens such as bacteria and viruses.

WO 2005/072826 A2